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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of

C	omplete if Known	
Application Number	09/764,962	
Filing Date	Jan 17, 2001	
First Named Inventor	Douceur et al.	
Group Art Unit	2134	
Examiner Name	MORSE, GREGORY ALLAN	
Attorney Docket Number	MS1-712US	

			U.S. PATENT DOC	UMENTS	
Examiner Initials	Cite No.1	U.S. Patent Docume	Name of Patentes or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines. Where Relevant Passages or Relevant Figures Appear
11		5,588,147	Neeman et al.	12-24-1996	
1		6,026,474	Carter et al.	02-15-2000	
		6,466,978	Mukherjee et al.	10-15-2002	
		6,493,804	Soltis et al.	12-10-2002	
		6,671,821	Castro et al.	12-30-2003	· · · · · ·
T_{i}		2004/0068652	Carpentier et al.	04-08-2004	
V		6,556,998	Mukherjee et al.	04-29-2003	DECEMED
11.		6,721,880	Pike	04-13-2004	RECEIVED
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Co	omplet if Known
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First Named Inventor	Douceur et al.
Group Art Unit	2134
Examiner Name	MORSE, GREGORY ALLAN
Attorney Docket Number	MS1-712US

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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
ſŗ.		EVANS, Matt, "FTFS: The Design of A Fault Tolerant Distributed File-System," May 2000, pp. 1-49.	
lu 6		CHERITON, David R. and MANN, Timothy P., "Decentralizing a Global Naming Service for Improved Performance and Fault Tolerance," ACM Transactions on Computer Systems, Vol. 7, No. 2, May 1989, pp. 147-183.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Examiner Name

Attomey Docket Number

C mplete if Known 09/764,962 **Application Number** Jan 17, 2001 Filing Date SEP 2 5 21003 Adva First Named Inventor 2131 Group Art Unit HAYES, GAIL OTechnology Center 2100

MS1-712US

U.S. PATENT DOCUMENTS U.S. Patent Document Pages, Columns, Lines, Date of Publication of Cite Name of Patentee or Applicant Examine Where Relevant Cited Document of Cited Document Passages or Relevant Initiats* No.1 Number MM-DD-YYYY Figures Appear 5,452,447 Nelson et al. 9/19/1995 5,778,395 Whiting et al. 7/7/1998 Enoki et al. 2/16/1999 5,873,085 Hirayama et al. 5/25/1999 5,907,673 6,185,574 Howard et al. 2/6/2001 Alam et al. 11/27/2001 6:324,544 6,389,433 Bolosky et al. 5/14/2002 11/5/2002 Bolosky et al. 6.477.544

				FORE	IGN PATENT DOCUMENT	rs		
5	Cite		Foreign Patent Do		Name of Patentee or	Date of Publication of Pages, Columns, L Where Relevan		
Examiner Initials*	No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T6
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Signature	Considered	

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Sheet

RECEIVED Complet if Kn wn Substitute for form 1449B/PTO 09/764,962 **Application Number** INFORMATION DISCLOSURE Jan 17, 2001 Filing Date STATEMENT BY APPLICANT Adya First Named Inventor Technology Center 2100 2131 **Group Art Unit** HAYES, GAIL O (use as many sheets as necessary) **Examiner Name**

Attomey Docket Number

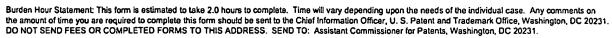
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Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
17		E. Adar and B. Huberman, "Free Riding on Gnutella," Xerox PARC Technical Report, pages 1-22, August 2000.	
		R. Anderson, "The Eternity Service," PRAGO-CRYPT, pages 242-252, October 1996.	
		T. Anderson, M. Dahlin, J. Neefe, D. Patterson, D. Roselli, and R. Wang, "Serverless Network File Systems," 15th Symposium on Operating Systems Principles, pages 109-126, December 1995.	
		W. Bolosky, J. Douceur, D. Ely, M. Theimer, "Feasibility of a Serverless Distributed File System Deployed on an Existing Set of Desktop PCs", Proceedings of the International Conference on Measurement and Modeling of Computer Systems, pages 34-43, June 17-21, 2000.	
		W. Bolosky, S. Corbin, D. Goebel, and J. Douceur, "Single Instance Storage in Windows® 2000," Proceedings of the 4th USENIX Windows Systems Symposium, pages 13-24, August 2000.	
		G. Cabri, A. Corradi, F. Zambonelli, "Experience of Adaptive Replication in Distributed File Systems", 22nd IEEE EUROMICRO, 10 pages, September 1996.	
		M. Castro and B. Liskov, "Practical Byzantine Fault Tolerance," Proceedings of the Third Symposium on Operating Systems Design and Implementation, 14 pages, February 1999.	
		M. Castro and B. Liskov, "Proactive Recovery in a Byzantine-Fault-Tolerant System," 4th Symposium on Operating Systems Design and Implementation, pages 273-287, October 2000.	
		I. Clarke, O. Sandberg, B. Wiley, and T. Hong, "Freenet: A Distributed Anonymous Information Storage and Retrieval System," ICSI Workshop on Design Issues in Anonymity and Unobservability, 21 pages, July 2000.	
V		J. Douceur and W. Bolosky, "A Large-Scale Study of File-System Contents," SIGMETRICS, pages 59-70, May 1999.	
618		L. Fan, P. Cao, J. Almeida, and A. Broder, "Summary Cache: A Scalable Wide-Area Web Cache Sharing Protocol", ACM SIGCOMM, pages 254-265, 1998.	

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Examiner	1	Date	10/10/06
Signature	171	Considered	12/01/09

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Sheet 3 of 4

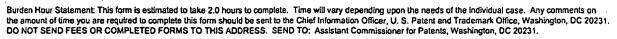
С	mplete if Known	RECEIVE
Application Number	09/764,962	
Filing Date	Jan 17, 2001	SEP 2 5 7U
First Named Inventor	Adya	
Group Art Unit	2131	Technology Cente
Examiner Name	HAYES, GAIL ()
Attorney Docket Number	MS1-712US	7

		NON PATENT LITERATURE DOCUMENTS	Т
Examiner nitials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
ſ'ſ.		A. Goldberg and P. Yianilos, "Towards an Archival Intermemory," IEEE International Forum on Research and Technology Advances in Digital Libraries, pages 147-156, April 1998.	
1		J. Howard, M. Kazar, S. Menees, D. Nichols, M. Satyanarayanan, R. Sidebotham, and M. West, "Scale and Performance in a Distributed File System," ACM Transactions on Computer Systems, pages 51-81, Feb. 1988.	
		J. Kistler and M. Satyanarayanan, "Disconnected Operation in the Coda File System," ACM Transactions on Computer Systems, Vol. 10, No. 1, pages 3-25, February 1992.	
		J. Kubiatowicz et al., "OceanStore: An Architecture for Global-Scale Persistent Storage," Proceedings of the Ninth International Conference on Architectural Support for Programming Languages and Operating Systems, 12 pages, Nov. 2000.	
		E. Lee and C. Thekkath, "Petal: Distributed Virtual Disks," Seventh International Conference on Architectural Support for Programming Languages and Operating Systems", pages 84-92, October 1996.	
		D. Mazières, M. Kaminsky, M. F. Kaashoek, and E. Witchel, "Separating Key Management from File System Security", 17th ACM Symposium on Operating Systems Principles, pages 124-139, December 1999.	
		D.L. McCue, M.C. Little, "Computing Replica Placement in Distributed Systems", IEEE Second Workshop on Replicated Data, pages 58-61, November 1992.	
		M. K. McKusick, W. N. Joy, S. J. Leffler, and R. S. Fabry, "A Fast File System for Unix," ACM Transactions on Computer Systems, Vol. 2, No. 3, pages 181-197, August 1984.	
		The OceanStore Project web pages, http://oceanstore.cs.berkeley.edu/info/overview.html, 2 pages, last modified July 8, 2002.	
V		C. Plaxton, R. Rajaraman, and A Richa, "Accessing Nearby Copies of Replicated Objects in a Distributed Environment", Proceedings of the 9th Annual ACM Symposium on Parallel Algorithms and Architectures, pages 311-320, 1997.	
gr-		C. Plaxton, R. Rajaraman, and A Richa, "Accessing Nearby Copies of Replicated Objects in a Distributed Environment", Theory of Computing Systems, pages 32:241-280, 1999.	

Examiner Signature	Fin	Date Considered	12/15/04

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Sheet 4 of 4

 			
С	mplete if Known	RECEIV	FD
Application Number	09/764,962	V 10001	
Filing Date	Jan 17, 2001	SEP 2 5 2	กกว
First Named Inventor	Adya	SEP 4 J L	los
Group Art Unit	2131	Frahmalanu Conte	2100
Examiner Name	HAYES, GAIL O	rechnology Gente	2100
Attorney Docket Number	MS1-712US		J

		NON PATENT LITERATURE DOCUMENTS	
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M.		R. T. Reich and D. Albee, "S.M.A.R.T. Phase-II," Number WP-9803-001, Maxtor Corporation, 3 pages, February 1998.	
4		J. D. Saltzer and M. D. Schroeder. "The Protection of Information in Computer Systems," Proceedings of the IEEE 63(9), pages 1278-1308, September 1975.	
		R. Sandberg, D. Goldberg, S. Kleiman, D. Walsh, and B. Lyon, "Design and Implementation of the Sun Network Filesystem," Summer USENIX Conference, pages 119-130, June 1985.	
		A. Sweeny, D. Doucette, W. Hu, C. Anderson, M. Nishimoto, and G. Peck, "Scalability in the XFS File System," USENIX Annual Technical Conference, 15 pages, 1996.	
		C. Thekkath, T. Mann, and E. Lee, "Frangipani: A Scalable Distributed File System," 16th ACM Symposium on Operating Systems Principles, pages 224-237, 1997.	
		W. Vogels, "File system usage in Windows NT 4.0," 17th ACM Symposium on Operating Systems Principles, pages 93-109, December 1999.	
		J. Wylie, M. Bigrigg, J. Strunk, G. Ganger, H. Kiliççöte, and P. Khosla, "Survivable Information Storage Systems," IEEE Computer, pages 33(8):61-68, August 2000.	\ \
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Examiner Signature	K1	Date Considered	12/15/04

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of Sheet 1

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				U.S. PATENT DOCL	JMENTS	
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11		6,067,545		Wolff	05-23-2000	
31.		6,345,288		Reed et al.	02-05-2002	
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